PCT

REC'D 0 5 JUL 2005

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

	cant's or agent's file reference	FOR FURTHER ACT	ION	See Form PCT/IPEA/416				
International application No. International filing date (control of the PCT/EP2004/008201 22.07.2004			y/month/year)	Priority date (day/month/year) 24.07.2003				
GO2	national Patent Classification (IPC) or 2C7/02, G02C7/04, A61F9/00							
	CHNOVISION GMBH GESELL			is International Preliminary Examining				
1.	Authority under Article 35 and tr	ansmitted to the applicant a	according to Article	36.				
2.	This REPORT consists of a total	l of 7 sheets, including this	cover sheet.					
з.	This report is also accompanied	•		,				
	• •	to the International Bureau						
	 sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). 							
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.							
	b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)), containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).							
4.	This report contains indications	relating to the following ite	ms:					
	Box No. I Basis of the o	pinion						
	☐ Box No. II Priority							
	☐ Box No. III Non-establish	hment of opinion with regar	d to novelty, inventiv	e step and industrial applicability				
1	☑ Box No. IV Lack of unity							
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
	☐ Box No. VI Certain docu							
1		cts in the international appli						
	☐ Box No. VIII Certain obse	rvations on the internations	u application					
Da	te of submission of the demand		Date of completion of	f this report				
02	2.02.2005		04.07.2005					
Name and mailing address of the International			Authorized Officer	nes Petana.				
pre	European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 5 Fax: +49 89 2399 - 4465	:23656 epmu d	Telephone No. +49 8	39 2399-				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/EP2004/008201

_	Box	x No. I Basis of the report						
1.	s report is based on the international application in the language in which it was under this item.							
		which is the language of a translation furnished for the purposes of:						
	 □ international search (under Rules 12.3 and 23.1(b)) □ publication of the international application (under Rule 12.4) □ international preliminary examination (under Rules 55.2 and/or 55.3) 							
2.	With regard to the elements* of the international application, this report is based on <i>(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):</i>							
	Des	cription, Pages						
	1-29		as originally filed					
	Claims, Numbers							
	1-64		as originally filed					
	Dra	wings, Sheets						
	1/30	-30/30	as originally filed					
		a sequence listing and/or ar	ny related table(s) - see Supplemental Box Relating to Sequence Listing					
3.		The amendments have resu	ulted in the cancellation of:					
		☐ the description, pages☐ the claims, Nos.						
		☐ the drawings, sheets/figs	.					
		☐ the sequence listing (sp. ☐ any table(s) related to se	ecify):					
4.	□ had Sup	This report has been establ I not been made, since they be oplemental Box (Rule 70.2(c)	ished as if (some of) the amendments annexed to this report and listed below have been considered to go beyond the disclosure as filed, as indicated in the).					
		☐ the description, pages☐ the claims, Nos.						
		☐ the drawings, sheets/figs	3					
		the sequence listing (sp. any table(s) related to se	ecify): equence listing <i>(specify)</i> :					
	*	If item 4 applies, so	ome or all of these sheets may be marked "superseded."					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/EP2004/008201

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Box No. IV Lack of unity of invention									
1.	In response to the invitation to restrict or pay additional fees, the applicant has: restricted the claims. paid additional fees. paid additional fees under protest. neither restricted nor paid additional fees.								
2.		This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.							
3.	This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is								
	□ complied with.								
☐ not complied with for the following reasons:									
4.	 4. Consequently, this report has been established in respect of the following parts of the international application and application all parts. □ the parts relating to claims Nos 								
Double V. Double I. C.									
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
1.	Stat	tement							
	Nov	Noveity (N)		Yes: No:	Claims Claims	2,3,6,7,9,14-20, 30,32,33,39-41,43,44,55-64 1,4,5,8,10-13,21-29,31,34-38,42,45-54			
	Inventive step (IS)		Yes: No:	Claims Claims	2,3,6,7,9,14-20, 30,32,33,39-41,43,44,55-64 1,4,5,8,10-13,21-29,31,34-38,42,45-54				
	Industrial applicability (IA)			Yes: No:	Claims Claims	1-64			
2.	Cita	tions and	l explanations (Rule 7	0.7):					

see separate sheet

Re Item IV.

The separate groups of inventions are:

- Claims 1-20
 A marked contact lens, which is not vision impairing.
- 2. Claims 21-54
- A method for evaluating the position of a marked contact lens in the patients eye.

 3. Claims 55-64
- Method for determining pupil parameters.

They are not so linked as to form a single general inventive concept (Rule 13.1 PCT) for the following reasons:

The common special technical feature in groups 1 and 2 is a marked contact lens. Such a contact lens is disclosed for example in document EP 0 949 528 (see column 8, paragraph 32).

The problems solved by both groups are also different, namely, providing a marked contact lens, which does not impaire the vision of the user and providing a method to evaluate the movement of the lens in the eye.

The common special technical feature in groups 1 and 3 does not exist. The problems solved are obviously different as well.

The common special technical feature in groups 2 and 3 is the step of determining the center of the pupil of the patient. Such a step is disclosed for example in document EP 0 949 528 (see column 9, lines 20-26).

The problems solved by both groups are also different, namely, providing a method to evaluate the movement of the lens in the eye and providing a method to determine pupil parameters of an eye.

Therefore, the three groups of inventions cannot be considered to have a common single general inventive concept. As a consequence, claim groups 1, 2 and 3 are non unitary according to Rule 13.1 and 13.2 PCT.

Re Item V.

1. The following documents are referred to in this communication:

D1: EP 0 949 528 A (MENICON CO LTD) 13 October 1999 (1999-10-13)

D2: DE 102 41 210 A (TECHNOVISION GMBH GES FUER DIE) 25 March 2004 (2004-03-25)

- 2. INDEPENDENT CLAIM 1 (1st group of inventions)
- 2.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

 Document D1 discloses (the references in parenthesis applying to this document):

A contact lens (abstract), comprising: a surface including a plurality of marks in an optical zone region of the lens (column 8, lines 17-21), wherein the marks are light absorbing or light scattering with respect to light propagating in a posterior to anterior lens surface direction (it is understood that the index provided on the lens will absorb light in both directions if its a dyed mark or scatter it if has been done with a laser or a cutter, c.f. column 9, lines 24-27), wherein the marks are non-vision impairing with the lens in-vivo (column 9, lines 29-31).

3. DEPENDENT CLAIMS 4, 5, 8, 10-13

Dependent claims 4, 5, 8, 10-13 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty or inventive step (Article 33(2) and (3) PCT).

4. DEPENDENT CLAIMS 2, 3, 6, 7, 9, 14-20

The combination of the features of dependent claims 2, 3, 6, 7, 9, 14-20 are neither known from, nor rendered obvious by, the available prior art.

- 5. INDEPENDENT CLAIMS 21, 29 and 45 (2nd group of inventions)
 - 5.1 Although the present application claims priority of the german DE 10333794, this priority claim does not seem to hold for the following reason.

The applicant is reminded that only the date of filling of the "first application"

can be claimed as a priority (Article 8 PCT). It seems however that in the present case, the subject-matter of independent claim 21 of the present invention is already contained in earlier german application DE 102 41 210 filed on September, 5th 2002, later published as DE 102 41 210 (D2) and disclosing (the references in parentheses applying to this document):

A method for making a contact lens measurement in vivo (paragraph 11), comprising:

- providing a selectively marked contact lens in vivo (paragraphs 16, 21);
- obtaining an image of said lens in vivo (paragraph 27)
- determining a pupil coordinate parameter (paragraphs 19, 33)
- calculating a position and/or orientation coordinate parameter of the contact lens for each image with respect to the pupil coordinate parameter (paragraph 18); and
- repeating steps (a-d) at a repetition rate greater than about 10 Hz over a selected time interval (paragraphs 35, 27, 82).

Accordingly the claim to priority is not valid in respect of the subject-matter already contained in the earlier DE application 102 41 210. As a consequence of the non valid priority, document D2 published on March 25th, 2004 (before the filing of the present application) forms part of the state of the art in the sense of Rule 33(1) PCT. Hence the subject-matter of claim 21 is not new in the sense of Article 33(2) PCT.

- 5.2 The same reasoning applies mutatis-mutandis to claims 29 and 45. Hence the subject-matter of these claims is not new in the sense of Article 33(2) PCT.
- 6. DEPENDENT CLAIMS 22-28, 31, 34-38, 42, 46-54

Dependent claims 22-28, 31, 34-38, 42, 46-54 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty or inventive step (Article 33(2) and (3) PCT).

DEPENDENT CLAIMS 30, 32, 33, 39-41, 43, 44

The combination of the features of dependent claims 30, 32, 33, 39-41, 43, 44 are neither known from, nor rendered obvious by, the available prior art.

8. INDEPENDENT CLAIM 55 and DEPENDENT CLAIMS 56-64

The combination of the features of claims 55-64 are neither known from, nor rendered obvious by, the available prior art.